

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S84	67	S83 not breed.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 11:34
S83	69	Simpson and coiled and tubing and rollers and pistons and tool and casing and liner	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 11:34
S1	2664	(wellbore or borehole) and (tubing or tubular) and collapse	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 11:33
S82	281	(borehole or wellbore) and ((tubular or casing) with (expand\$4) with roller)	US-PGPUB; USPAT	OR	ON	2007/11/08 10:43
S81	605	(borehole or wellbore) and ((tubular or casing) with (expand\$4)) and roller	US-PGPUB; USPAT	OR	ON	2007/11/08 10:43
S80	3387	((tubular or casing) with (expand\$4)) and roller	US-PGPUB; USPAT	OR	ON	2007/11/08 10:43
S76	20	((tubular or casing) with (collapse adj resistance)) and roller	US-PGPUB; USPAT	OR	ON	2007/11/08 10:43

## EAST Search History

S79	282	("0988504"   "1301285"   "1880218"   "1981525"   "2017451"   "2214226"   "2383214"   "2424878"   "2499630"   "2519116"   "2627891"   "2633374"   "3028915"   "3039530"   "3167122"   "3179168"   "3186485"   "3191677"   "3191680"   "3195646"   "3203451"   "3203483"   "3245471"   "3297092"   "3326293"   "3353599"   "3354955"   "3477506"   "3489220"   "3583200"   "3669190"   "3689113"   "3691624"   "3712376"   "3746091"   "3776307"   "3780562"   "3785193"   "3820370"   "3948321"   "3977076"   "4319393"   "4349050"   "4359889"   "4362324"   "4382379"   "4387502"   "4407150"   "4414739"   "4445201"   "4450612"   "4470280"   "4483399"   "4487630"   "4502308"   "4505142"   "4505612"   "4567631"   "4581617"   "4626129"   "4807704"   "4848469"   "4866966"   "4883121"   "4976322"   "4997320"   "5014779"   "5052483"   "5052849"   "5156209"   "5267613"   "5271472"   "5301760"   "5307879"   "5322127"   "5348095"   "5366012"   "5409059"   "5472057"   "5520255"   "5553679"   "5560426"   "5636661"   "5667011"   "5706905"   "5785120"   "5887668"   "5901789"   "5924745"   "5960895"   "5979571"   "6029748"   "6070671").PN. OR ("6325148"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 10:29
S78	119	("2499630").URPN.	USPAT	OR	ON	2007/11/08 10:28
S77	20	("1750628"   "1848404"   "2168017"   "4040495"   "4190123"   "4365678"   "4465146"   "4880066"   "4958692"   "5033558").PN. OR ("5649603").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/08 10:27
S75	2	S74 and (collapse adj resistance)	US-PGPUB; USPAT	OR	ON	2007/11/08 10:22

## EAST Search History

S74	21	(US-20030141079-\$ or US-20030075337-\$ or US-20020195252-\$ or US-20020079100-\$).did. or (US-6550539-\$ or US-5649603-\$ or US-6325148-\$ or US-3911707-\$ or US-3818734-\$ or US-2499630-\$ or US-2383214-\$ or US-6585043-\$ or US-2898971-\$ or US-6409226-\$ or US-6695063-\$ or US-6612481-\$ or US-6662876-\$ or US-6527049-\$ or US-6446323-\$ or US-6629567-\$ or US-5275240-\$).did.	US-PGPUB; USPAT	OR	ON	2007/11/08 10:19
S73	112	(borehole or wellbore) and (collapse with (groove\$ or undulation or wave\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 10:06
S72	504	(borehole or wellbore or casing) and (collapse with (groove\$ or undulation or wave\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 10:06
S71	797	(borehole or wellbore or casing or tubing) and (collapse with (groove\$ or undulation or wave\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 10:06
S70	3292	(borehole or wellbore or casing or tubing) and (collapse same (groove\$ or undulation or wave\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 10:06
S69	8	(tubing) and ((collapse adj resistance) same (groove\$ or undulation or wave\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 10:05
S68	8	(borehole or wellbore or casing) and ((collapse adj resistance) same (groove\$ or undulation or wave\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 10:05

## EAST Search History

S67	8	(borehole or wellbore or casing) and ((collapse adj resistance) same (groove\$ or undulation or wave\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/08 10:04
S66	24	("4509000"   "4794572"   "4817061"   "4888743"   "4912683"   "5027332"   "5029146"   "5136554"   "5214613"   "5278805"   "5541890"   "5594706"   "5712829"   "5724308"   "5740124"   "5808963"   "6023443"   "6141622"   "6188961").PN. OR ("6661737").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/02 16:42
S65	1	"6661737".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/02 16:40
S64	0	"\631737".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/02 16:40
S63	1	"6\631737".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/02 16:40
S62	0	"66631737".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/02 16:40
S61	1	"6131071".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/02 16:40
S58	3	(borehole or wellbore) and (casing or tubing or tubular) and (strain adj path)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/02 16:36
S60	1	"6325148".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/02 15:36
S59	1	"6325128".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/02 15:36
S57	1	"20040216878"	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/02 15:32
S56	474	166/384.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/02 15:20

## EAST Search History

S55	82	("0761518"   "1324303"   "1545039"   "1561418"   "1569729"   "1597212"   "1930825"   "2383214"   "2499630"   "2627891"   "2663073"   "2898971"   "3087546"   "3195646"   "3203483"   "3467180"   "3818734"   "3911707"   "4069573"   "4127168"   "4159564"   "4288082"   "4324407"   "4429620"   "4531581"   "4588030"   "4697640"   "4848469"   "4936383"   "5271472"   "5409059"   "5435400"   "5472057"   "5560426"   "5685369"   "5794702"   "5833001"   "5901787"   "5901789"   "5954136"   "6021850"   "6098717"   "6189616").PN. OR ("6662876"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/02 15:10
S54	168	(wellbore or borehole) and ((tubing or tubular or casing) with groove) and collapse and (roller or bearing)	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/02 12:34
S53	296	(wellbore or borehole) and ((tubing or tubular or casing) with groove) and collapse	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/02 12:34
S52	14	("1880218"   "2582249"   "3431975"   "4193280"   "4261671"   "5026206"   "5026209"   "5275240"   "5538294").PN. OR ("6409226"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/02 12:33
S51	59	(corrugating with (tubing or tubular or casing)) and collapse	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/02 10:54
S50	37	(corrugating with tubing) and collapse	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/02 10:54
S49	0	(corrugating with tubing) and (collapse adj resistance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/02 10:53

## EAST Search History

S48	4	(borehole or wellbore) and (peening) and (casing or tubular) and (collapse with (resist or resistance or resisted or resisting))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/02 10:53
S47	46	(borehole or wellbore) and (plastic with deformation) and (casing or tubular) and (collapse with (resist or resistance or resisted or resisting))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/01 17:15
S33	650	(borehole or wellbore) and (plastic with deformation) and (casing or tubular)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/01 17:09
S46	49	("3162245"   "3167122"   "3203483"   "3326293"   "3489220"   "3720262"   "3785193"   "5014779"   "5031699"   "5083608"   "5348095"   "5366012"   "6012523"   "6135208").PN. OR ("6419025"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/01 16:49
S45	239	("0761518"   "1324303"   "1545039"   "1561418"   "1569729"   "1597212"   "1930825"   "1981525"   "2383214"   "2499630"   "2627891"   "2663073"   "2754577"   "2898971"   "3087546"   "3195646"   "3467180"   "3818734"   "3911707"   "4069573"   "4127168"   "4159564"   "4288082"   "4324407"   "4371199"   "4429620"   "4502308"   "4531581"   "4588030"   "4697640"   "4848469"   "5271472"   "5322127"   "5409059"   "5435400"   "5472057"   "5560426"   "5685369"   "5901787"   "6021850"   "6098717").PN. OR ("6457532"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/01 16:44
S44	211	166/207,384.ccls. and (plastic adj deformation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/01 16:41

## EAST Search History

S43	87	(tubing OR casing) and (roller OR bearing) and (plastic adj deformation) and anchor and (borehole or wellbore)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/01 16:41
S42	296	(tubing OR casing) and (roller OR bearing) and (plastic adj deformation) and anchor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/01 16:39
S41	3675	(tubing OR casing) and (roller OR bearing) and (corrugation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/01 16:38
S40	5	(tubing OR casing) and (roller OR bearing) and (corrugation) and (collapse adj resistance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/01 16:38
S39	3	(tubing OR casing) and (roller OR bearing) and (plastic adj deformation) and (collapse adj resistance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/01 16:33
S38	1878	(tubing OR casing) and (roller OR bearing) and (plastic adj deformation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/01 16:33
S37	10	(borehole or wellbore) and (corrugat\$4) and (casing or tubular) and (bearing or roller) and (collapse adj resistance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/01 16:32
S36	5	(borehole or wellbore) and (plastic with deformation) and (casing or tubular) and (bearing or roller) and (collapse adj resistance)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/01 16:28
S35	5	S34 and (plastic with deformation)	US-PGPUB; USPAT	OR	ON	2007/11/01 16:22

## EAST Search History

S34	15	(US-20020079100-\$ or US-20020195252-\$ or US-20030075337-\$ or US-20030141079-\$).did. or (US-6585043-\$ or US-2499630-\$ or US-5649603-\$ or US-6550539-\$ or US-2898971-\$ or US-3818734-\$ or US-6695063-\$ or US-6662876-\$ or US-6629567-\$ or US-6446323-\$ or US-6527049-\$).did.	US-PGPUB; USPAT	OR	ON	2007/11/01 16:22
S32	811	(borehole or wellbore) and (plastic with deformation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/11/01 16:20